

METHOD AND SYSTEM FOR UPDATING  
DATA IN A COMPRESSED READ CACHE

ABSTRACT

5           In a first aspect, a method is provided for  
updating a compressed cache. The method includes the steps  
of (1) initiating an update routine for replacing first data  
stored within the cache with second data, wherein a first  
section of a compressed data band stored in the cache  
10 includes the first data and a second section of the  
compressed data band includes third data; and (2) in  
response to initiating the update routine, replacing the  
first data within the compressed data band with the second  
data without decompressing the third data. Numerous other  
5 aspects are provided.